

WEST Search History

DATE: Thursday, February 27, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L6	L3 and Parkinson\$	1	L6
L5	L3 and (multiple adj1 sclerosis)	1	L5
L4	L3 and autism	1	L4
L3	liposomes same vip	12	L3
L2	L1 and vip	9	L2
L1	liposomes same PEG	817	L1

END OF SEARCH HISTORY

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L3: Entry 6 of 12

File: USPT

Jun 23, 1998

US-PAT-NO: 5770570

DOCUMENT-IDENTIFIER: US 5770570 A

TITLE: Method of delivering a vasoactive intestinal polypeptide, an encapsulated vasoactive intestinal polypeptide, and a method of making the encapsulated vasoactive intestinal polypeptide

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paul; Sudhir	Omaha	NE	68137	
Noda; Yasuko	Omaha	NE	68105	
Rubinstein; Israel	Highland Park	IL	60035	

APPL-NO: 08/ 519180 [PALM]

DATE FILED: August 25, 1995

PARENT-CASE:

This is a continuation of application Ser. No. 08/224,488, filed on Apr. 7, 1994, which was abandoned upon the filing hereof.

INT-CL: [06] A61 K 9/127, A61 K 38/17, A61 K 38/22, A61 K 38/25

US-CL-ISSUED: 514/12; 424/450, 514/21

US-CL-CURRENT: 514/12; 424/450, 514/21

FIELD-OF-SEARCH: 514/12, 514/21, 424/450

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4745100</u>	May 1988	Gilbard et al.	514/12
<input type="checkbox"/> <u>5264618</u>	November 1993	Felgner et al.	560/224

OTHER PUBLICATIONS

Epand et al., (1985), Biophys. Chem., 23:39-48.
Gao et al., (1994), Life Sciences, 54:PL247-252.
Inooka et al., (1992), Int. J. Peptide Protein Res., 40:456-464.
Kimura et al., (1992), Int. J. Peptide Protein Res., 39:431-442.
Kloosterman et al., (1993), Peptide Research, 6:211-218.
Krstenansky et al., (1988), Int. J. Peptide Protein Res. 32:468-475.
Noda et al., (1994), Biochimica et Biophysica Acta, 1191:324-330.

Pastà et al., (1988), Biochimica et Biophysica Acta, 953:314-320.
Robinson et al., (1982), Biopolymers, 21:1217-1228.
Suzuki et al., (1995), Life Sciences, 57:1451-1457.
Suzuki et al., (1996), Am. J. Physiol., 271:H282-H287.
Wu et al., (1982), Biochemistry, 21:4556-4562.
Katakai et al. Experimental Evidence for Predicted Transmembrane . . . Biopolymers.
1990, vol. 30, pp. 815-819.
Kondo et al. Conformation and the Properties of Porcine Brain . . . Polymer Journal.
1987, vol. 19, No. 12, pp. 1359-1364.
Noda et al, FASEB J. vol. 7, (Mar. 28, 1993 -Apr. 1, 1993) p. A182.
Gao et al, Life Sciences vol. 54 p. PL247 (Mar. 1994).
Stallwood, J. Biol. Chem. vol. 267 p. 19617 (1992).
Musso et al Biochem. vol. 27 p. 8174 (1988).

ART-UNIT: 181

PRIMARY-EXAMINER: Russel; Jeffrey E.

ABSTRACT:

Provided is a method for delivering a vasoactive intestinal polypeptide (VIP) liposome product to a target tissue of a mammal. The VIP is expressed on and in a liposome. Also provided is a method of preparing the VIP liposome product comprising cholesterol, phosphatidyl choline, and phosphatidyl glycerol.

20 Claims, 8 Drawing figures

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 12 of 12 returned.**☐ 1. Document ID: US 6348214 B1

L3: Entry 1 of 12

File: USPT

Feb 19, 2002

US-PAT-NO: 6348214

DOCUMENT-IDENTIFIER: US 6348214 B1

TITLE: Materials and methods for making improved liposome compositions

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onyuksel; Hayat	Western Springs	IL		
Rubinstein; Israel	Highland Park	IL		

US-CL-CURRENT: [424/450](#); [264/4.1](#), [264/4.3](#), [264/4.6](#), [514/2](#), [514/21](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC
Draw Desc	Image										

☐ 2. Document ID: US 6322810 B1

L3: Entry 2 of 12

File: USPT

Nov 27, 2001

US-PAT-NO: 6322810

DOCUMENT-IDENTIFIER: US 6322810 B1

TITLE: Materials and methods for making improved micelle compositions

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alkan-Onyuksel; Hayat	Western Springs	IL	60558	
Rubinstein; Israel	Highland Park	IL	60035	

US-CL-CURRENT: [424/450](#); [424/1.21](#), [424/812](#), [424/9.321](#), [424/9.51](#), [424/94.3](#), [428/402.2](#), [436/829](#), [514/21](#), [514/937](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC
Draw Desc	Image										

☐ 3. Document ID: US 6217886 B1

L3: Entry 3 of 12

File: USPT

Apr 17, 2001

US-PAT-NO: 6217886

DOCUMENT-IDENTIFIER: US 6217886 B1

TITLE: Materials and methods for making improved micelle compositions

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onyuksel; Hayat	Western Springs	IL		
Rubinstein; Israel	Highland Park	IL		

US-CL-CURRENT: 424/401; 264/4.1, 264/4.3, 264/4.6, 424/1.21, 424/450, 424/9.321,
424/9.51, 514/2, 514/21, 514/937

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 4. Document ID: US 6197333 B1

L3: Entry 4 of 12

File: USPT

Mar 6, 2001

US-PAT-NO: 6197333

DOCUMENT-IDENTIFIER: US 6197333 B1

TITLE: Materials and methods for making improved liposome compositions

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Onyuksel; Hayat	Western Springs	IL		
Rubinstein; Israel	Highland Park	IL		

US-CL-CURRENT: 424/450; 424/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 5. Document ID: US 5932462 A

L3: Entry 5 of 12

File: USPT

Aug 3, 1999

US-PAT-NO: 5932462

DOCUMENT-IDENTIFIER: US 5932462 A

TITLE: Multiarmed, monofunctional, polymer for coupling to molecules and surfaces

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harris; J. Milton	Huntsville	AL		
Veronese; Francesco Maria	Padua			IT
Caliceti; Paolo	Padua			IT
Schiavon; Oddone	Padua			IT

US-CL-CURRENT: 435/188; 424/94.3, 435/177, 435/180, 435/181, 514/2, 525/54.1, 530/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 6. Document ID: US 5770570 A

L3: Entry 6 of 12

File: USPT

Jun 23, 1998

US-PAT-NO: 5770570

DOCUMENT-IDENTIFIER: US 5770570 A

TITLE: Method of delivering a vasoactive intestinal polypeptide, an encapsulated vasoactive intestinal polypeptide, and a method of making the encapsulated vasoactive intestinal polypeptide

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Paul; Sudhir	Omaha	NE	68137	
Noda; Yasuko	Omaha	NE	68105	
Rubinstein; Israel	Highland Park	IL	60035	

US-CL-CURRENT: 514/12; 424/450, 514/21

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC
Draw Desc	Image									

☐ 7. Document ID: WO 9527496 A1

L3: Entry 7 of 12

File: EPAB

Oct 19, 1995

PUB-NO: WO009527496A1

DOCUMENT-IDENTIFIER: WO 9527496 A1

TITLE: VASOACTIVE INTESTINAL POLYPEPTIDE

PUBN-DATE: October 19, 1995

INVENTOR-INFORMATION:

NAME	COUNTRY
PAUL, SUDHIR	US
NODA, YASUKO	US
RUBINSTEIN, ISRAEL	US

INT-CL (IPC): A61 K 38/00

EUR-CL (EPC) : A61K038/22; A61K038/22, A61K009/127

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
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☐ 8. Document ID: US 20020114829 A1

L3: Entry 8 of 12

File: DWPI

Aug 22, 2002

DERWENT-ACC-NO: 2002-749897

DERWENT-WEEK: 200281

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TITLE: Treatment of specified diseases comprises administering a member of the vasointestinal peptide/glucagon/secretin family of peptides in liposomes modified with a water-soluble polymer

INVENTOR: ONYUKSEL, H; RUBINSTEIN, I

PRIORITY-DATA: 2001US-0995263 (November 27, 2001), 1998US-0155368 (December 18, 1998), 2000US-0630699 (August 1, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020114829 A1	August 22, 2002		023	A61K038/48

INT-CL (IPC) : A61 K 9/127; A61 K 38/48

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
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☐ 9. Document ID: WO 9735561 A1 AU 9724261 A EP 914094 A1 US 6197333 B1 AU 733212 B JP 2001521486 W US 6348214 B1

L3: Entry 9 of 12

File: DWPI

Oct 2, 1997

DERWENT-ACC-NO: 1997-489351

DERWENT-WEEK: 200235

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TITLE: Preparation of active liposome(s) containing, e.g. vaso-active intestinal peptide - by forming sterically stabilised liposome(s), then incubating these with biologically active amphiphatic compound so it is associated with liposome(s) in active conformation

INVENTOR: ONYUKSEL, H; RUBINSTEIN, I

PRIORITY-DATA: 1996US-014363P (March 28, 1996), 1998US-0155368 (December 18, 1998), 2000US-0630699 (August 1, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9735561 A1	October 2, 1997	E	051	A61K009/127
AU 9724261 A	October 17, 1997		000	A61K009/127
EP 914094 A1	May 12, 1999	E	000	A61K009/127
US 6197333 B1	March 6, 2001		000	A61K009/127
AU 733212 B	May 10, 2001		000	A61K009/127
JP 2001521486 W	November 6, 2001		047	A61K009/127
US 6348214 B1	February 19, 2002		000	A61K009/127

INT-CL (IPC): [A61 K 9/127](#); [A61 K 9/133](#); [A61 P 17/02](#); [A61 P 39/06](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 10. Document ID: WO 9735560 A1 AU 9725492 A

L3: Entry 10 of 12

File: DWPI

Oct 2, 1997

DERWENT-ACC-NO: 1997-489350

DERWENT-WEEK: 199807

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TITLE: Preparation of echogenic liposome products - which contain biologically active amphipathic compound, such as vasoactive intestinal peptide, in active conformation

INVENTOR: MCPHERSON, D D; MURER, S E ; ONYUKSEL, H ; RUBINSTEIN, I

PRIORITY-DATA: 1996US-0014363 (March 28, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9735560 A1	October 2, 1997	E	048	A61K009/127
AU 9725492 A	October 17, 1997		000	A61K009/127

INT-CL (IPC): [A61 K 9/127](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 11. Document ID: WO 9527496 A1 AU 709559 B AU 9523808 A EP 759768 A1 JP 10502333 W US 5770570 A

L3: Entry 11 of 12

File: DWPI

Oct 19, 1995

DERWENT-ACC-NO: 1995-366225

DERWENT-WEEK: 199948

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TITLE: Delivery of vasoactive intestinal polypeptide (VIP) - comprising forming VIP liposome prod. with the VIP bound in a receptor reactive conformation

INVENTOR: NODA, Y; PAUL, S ; RUBINSTEIN, I

PRIORITY-DATA: 1994US-0224488 (April 7, 1994), 1995US-0519180 (August 25, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9527496 A1	October 19, 1995	E	055	A61K038/00
AU 709559 B	September 2, 1999		000	A61K038/00
AU 9523808 A	October 30, 1995		000	A61K038/00
EP 759768 A1	March 5, 1997	E	000	A61K038/00
JP 10502333 W	March 3, 1998		042	A61K038/00
US 5770570 A	June 23, 1998		000	A61K009/127

INT-CL (IPC): A61 K 9/127; A61 K 38/00; A61 K 38/17; A61 K 38/22; A61 K 38/25; A61 K 47/42

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 12. Document ID: EP 204447 A CA 1267085 A DE 3682229 G EP 204447 B JP 62016429 A US 4745100 A

L3: Entry 12 of 12

File: DWPI

Dec 10, 1986

DERWENT-ACC-NO: 1986-327244

DERWENT-WEEK: 198650

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TITLE: Compsn. for topical stimulation of tear secretion - contains cpds. which activate vasoactive intestinal peptide receptors of lachrimal gland tissue

INVENTOR: DARTT, D A; GILBARD, J P

PRIORITY-DATA: 1986US-0830996 (February 19, 1986), 1985US-0733967 (May 14, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 204447 A	December 10, 1986	E	025	
CA 1267085 A	March 27, 1990		000	
DE 3682229 G	December 5, 1991		000	
EP 204447 B	October 30, 1991		000	
JP 62016429 A	January 24, 1987		000	
US 4745100 A	May 17, 1988		000	

INT-CL (IPC): A61K 9/06; A61K 37/02; A61K 45/08; G02C 7/04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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Terms	Documents
liposomes same vip	12